



PATENT -- NO FEE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re: Application of)
CRAIG N. HANSEN and)
LONNIE J. HELGESON)
Serial No.: 10/646,357)
Filed: August 22, 2003) Group Art Unit 3764
For: RESPIRATORY VEST)
Case Docket No.: E100.12.12)

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Applicants request that the patents and publications listed on the enclosed PTO Form 1449 be fully considered by the Examiner in the examination of this application.

Applicants do not represent that these patents and publications are a complete state of the prior art. The enclosed patents and publications are not intended to replace the Examiner's search. It is respectfully submitted that the Examiner proceed with an independent and complete search of the prior art in the examination of this application.

Respectfully submitted,

CRAIG N. HANSEN and LONNIE J. HELGESON

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231 on APRIL 6, 2004.

(Date of Deposit)

Richard John Bartz

Name of applicant, assignee, or Registered Rep.

R. John Bartz

Signature

APRIL 6, 2004

Date of Signature

By

Richard John Bartz

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF PRIOR ART CITED BY APPLICANT <i>(Use several sheets if necessary)</i>				ATTY. DOCKET NO.	SERIAL NO.		
				E100.12.12		10/646,357	
				APPLICANT		Craig N. Hansen and Lonnie J. Helgeson	
				FILING DATE		GROUP	
				August 22, 2003		3764	
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	Des. 379,396	05/20/1997	Pongo et al			
	AB	Des. 456,591	05/07/2002	Hansen			
	AC	Des. 461,397	08/20/2002	Hansen et al			
	AD	Des. 469,876	02/04/2003	Hansen et al			
	AE	2,223,570	12/03/1940	McMillin			
	AF	2,354,397	07/25/1944	Miller			
	AG	2,588,192	03/04/1952	Akerman et al			
	AH	2,707,948	05/10/1955	Emerson			
	AI	2,762,366	09/11/1956	Huxley III et al			
	AJ	2,779,329	01/29/1957	Huxley III et al			
	AK	2,780,222	02/05/1957	Polzin et al			
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
	AL	1,225,889	08/1987	Canada			
	AM						
	AN						
	AO						
	AP						
OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	"Chronic bronchial asthma and emphysema," <i>Geriatrics</i> , June 1996, pp. 139-158					
	AS	"Enhanced Tracheal Mucus Clearance with High Frequency Chest Wall Compression," <i>Respiratory Disease</i> , Sept. 1983, pp. 511-515					
	AT	"Peripheral mucociliary clearance with high-frequency chest wall compression," <i>Journal of Applied Physiology</i> , April 1985, pp.					
EXAMINER				DATE CONSIDERED			
				1157-1163			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	2,869,537	01/20/1959	Chu			
AB	2,809,955	08/18/1959	Huxley III et al			
AC	3,043,292	07/10/1962	Mendelson			
AD	3,063,444	11/13/1962	Jobst			
AE	3,078,842	02/26/1963	Gray			
AF	3,120,228	02/04/1964	Huxley III			
AG	3,179,106	04/20/1965	Meredith			
AH	3,310,050	03/21/1967	Goldfarb			
AI	3,545,017	12/08/1970	Cohn			
AJ	3,566,862	03/02/1971	Schuh			
AK	3,577,977	05/11/1971	Ritzinger Jr et al			

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	"Tracheal mucus clearance in high-frequency oscillation: effect of peak flow rate bias," The European Respiratory Journal,
AS	January 1990, pp. 6-13
AT	"High-frequency Chest Compression System to Aid in Clearance of Mucus from the Lung." Biomedical Instrumentation & Technology,

EXAMINER	DATE CONSIDERED	July 1990, pp. 289-294.
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FORM PTO-1449 (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. E100,12.12	SERIAL NO. 10/646,357
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	3,683,655	08/15/1972	White et al			
AB	3,760,801	09/25/1973	Borgeas			
AC	3,903,053	11/23/1976	Grossan			
AD	4,004,579	01/25/1977	Dedo			
AE	4,120,297	10/17/1978	Rabischong et al			
AF	4,135,503	01/23/1979	Romano			
AG	4,178,922	12/18/1979	Curlee			
AH	4,186,732	02/05/1980	Christoffel			
AI	4,375,217	03/01/1983	Arkans			
AJ	4,402,312	09/06/1983	Villari et al			
AK	4,424,306	01/10/1984	Newman et al			

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						YES	NO
AL							
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AO							
AP							

OTHER PRIOR ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	"Preliminary Evaluation of High-Frequency Chest Compression for Secretion Clearance in Mechanically Ventilated Patients,"
AS	Respiratory Care, October 1993, pp. 1081-1087.
AT	"Artificial Ventilation," Technion Institute of Technology Faculty of Medicine, date unknown.

EXAMINER	DATE CONSIDERED
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FORM PTO-1449 (REV. 7-60)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.	SERIAL NO.
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U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4,523,579	06/18/1985	Barry			
	AB	4,577,626	03/25/1996	Marukawa et al			
	AC	4,590,925	05/27/1996	Dillon			
	AD	4,621,621	11/11/1986	Marsalis			
	AE	4,637,074	01/20/1987	Taheri			
	AF	4,676,232	06/30/1987	Olsson et al			
	AG	4,682,588	07/28/1987	Curlee			
	AH	4,815,452	03/28/1989	Hayek			
	AI	4,838,263	06/13/1989	Warwick et al			
	AJ	4,840,167	06/20/1989	Olsson et al			
	AK	4,928,674	05/29/1990	Halperin et al			

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	AL							
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	AA	4,930,498	06/05/1990	Hayek			
	AB	4,952,095	08/23/1990	Walters			
	AC	4,977,839	12/18/1990	Budd			
	AD	5,007,412	04/16/1991	DeWall			
	AE	5,055,052	10/08/1991	Johnsen			
	AF	5,056,505	10/15/1991	Warwick et al			
	AG	5,222,478	06/29/1993	Scarberry et al			
	AH	5,235,967	08/17/1993	Arbisi et al			
	AI	5,245,990	09/21/1993	Bertinin			
	AJ	5,370,603	12/06/1994	Newman			
	AK	5,453,081	09/26/1995	Hansen			
FOREIGN PATENT DOCUMENTS							
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	AA	5,490,820	02/13/1996	Schock et al				
	AB	5,494,469	02/27/1996	Heath et al				
	AC	5,569,170	10/20/1996	Hansen				
	AD	5,674,269	10/07/1997	Augustine				
	AE	5,769,797	06/23/1998	Van Brunt et al				
	AF	5,769,800	06/23/1998	Gelfand et al				
	AG	5,938,627	08/17/1999	Hickman				
	AH	6,036,662	03/14/2000	Van Brunt et al				
	AI	6,155,996	12/05/2000	Van Brunt et al				
	AJ	6,254,556	07/03/2001	Hansen et al				
	AK	6,379,316	04/30/2002	Van Brunt et al				
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AA	6,471,663	10/29/2002	Van Brunt et al			
AB	6,488,641	12/03/2002	Hansen			
AC	6,547,749	04/15/2003	Hansen			
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